

FORM - 1449

SHEET 1 OF

TECH CENTER 1600/2900

MAR 06 2002

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

98B054/4

09/997,777

APPLICANT

Christopher et al.

FILING DATE

GROUP

November 29, 2001

1619

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA	4,543,399	09/24/85	Jenkins et al.	526	70	
	AB	4,588,790	05/13/86	Jenkins et al.	526	70	
	AC	4,665,208	05/12/87	Welborn, Jr. et al.	556	179	
	AD	4,874,734	10/17/89	Kioka et al.	502	104	
	AE	4,908,463	03/13/90	Bottelberghe	556	179	
RM	AF	4,924,018	05/08/90	Bottelberghe	556	179	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RM	AG	0 279 586	08/24/88	EP				
	AH	0 426 637	05/08/91	EP				
	AI	0 427 697	05/15/91	EP				
	AJ	0 495 375	07/22/92	EP				
	AK	0 516 476	12/02/92	EP				
RM	AL	0 520 732	12/30/92	EP				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

RM	AM	" α Agostic" Assistance in Ziegler-Natta Polymerization of Olefins. Deuterium Isotopic Perturbation of Stereochemistry Indicating Coordination of an α -C-H Bond in Chain Propagation, Piers, et al, J. Am. Chem. Soc., Vol. 112, pp.9406-9407 (1990)
	AN	" $\{[(\eta^5\text{-C}_5\text{Me}_4)\text{Me}_2\text{Si}(\eta^1\text{-NCMe}_3)](\text{PMe}_3)\text{ScH}_2\}$: A Unique Example of a Single-Component α -Olefin Polymerization Catalyst", Shapiro, et al, Organometallics, Vol. 9, pp. 867-869, (1990)
	AO	"Iso-Specific Ziegler-Natta Polymerization of α -Olefins with a single-Component Organoyttrium Catalyst", Coughlin, et al, J. Am. Chem. Soc., Vol. 114, pp. 7606-7607, (1992)
	AP	"Model Ziegler-Natta α -Olefin Polymerization Catalysts Derived from $\{[(\eta^5\text{-C}_5\text{Me}_4)\text{SiMe}_2(\eta^1\text{-NCMe}_3)](\text{PMe}_3)\text{Sc}(\mu\text{-H})\}$: Synthesis, Structures, and Kinetic and Equilibrium Investigations of the Catalytically Active Species in Solution", Shapiro, et al, J. Am. Chem. Soc., Vol. 116, pp. 4623-4640, (1994)
RM	AQ	"Competitive Chain Transfer by β -Hydrogen and β -Methyl Elimination for the Model Ziegler-Natta Olefin Polymerization System $[\text{Me}_2\text{Si}(\eta^5\text{-C}_5\text{Me}_4)_2]\text{Sc}(\text{CH}_2\text{CH}(\text{CH}_3)_2)(\text{PMe}_3)_3$ ", Hajela, et al, Organometallics, Vol. 13, pp. 1147-1154, (1994)

EXAMINER

Robert Hurl

DATE CONSIDERED

8-17-04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	AR	4,952,540	08/28/90	Kioka et al.	502	9	
	AS	4,968,827	11/06/90	Davis	556	179	
	AT	5,001,205	03/19/91	Hoel	526	128	
	AU	5,028,670	07/02/91	Chinh et al.	526	73	
	AV	5,041,584	08/20/91	Crapo et al.	556	179	
MM	AW	5,057,475	10/15/91	Canich et al.	502	104	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MM	AX	0 561 476	09/22/93	EP				
	AY	0 573 403	12/08/93	EP				
	AZ	0 594 218	04/27/94	EP				
	BA	0 765 888	04/02/97	EP				
	BB	WO 91/09882	07/11/91	PCT				
MM	BC	WO 92/00333	01/09/92	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

MM	BD	"Polymerization of α -Olefins by Chelating Diamide Complexes of Titanium", Scollard, et al, Macromolecules, Vol. 29, pp. 5241-5243, (1996)
	BE	"Synthesis and Characterization of the Five-Coordinate Scandium Dialkyl Complexes $\text{ScR}_2[\text{N}(\text{SiMe}_2\text{CH}_2\text{PPR}_2)_2]$ ($\text{R}=\text{Me}, \text{Et}, \text{CH}_2\text{SiMe}_3$)", Fryzuk et al., Organometallics Vol. 15, (1996) pp 3329-3336
	BF	"Synthesis of Dialkylscandium Complexes Supported by β -Diketiminato Ligands and Activation with Tris (pentafluorophenyl) borane", Lee et al., Organometallics, Vol 18., 2947 (1999)
MM	BG	"On the synthesis of monopentamethylcyclopentadienyl derivatives of yttrium, lanthanum, and cerium", Booi et al., Journal of Organometallic Chemistry, 364 (1989) pp 79-86

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	BH	5,064,802	11/12/91	Stevens, et al	502	155	
	BI	5,091,352	02/25/92	Kioka et al.	502	103	
	BJ	5,103,031	04/07/92	Smith, Jr.	556	179	
	BK	5,132,380	07/21/92	Stevens, et al	526	125	
	BL	5,153,157	10/06/92	Hlatky, et al	502	117	
	BM	5,157,137	10/20/92	Sangokoya	556	179	
	BN	5,198,401	03/30/93	Turner, et al	502	155	
MM	BO	5,204,419	04/20/93	Tsutsui et al.	526	153	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MM	BP	WO 93/11172	06/10/93	PCT				
	BQ	WO 93/14132	07/22/93	PCT				
	BR	WO 94/07928	04/14/94	PCT				
	BS	WO 94/03506	02/17/94	PCT				
	BT	WO 94/10180	05/11/94	PCT				
	BU	WO 95/07941	03/23/95	PCT				
	BV	WO 95/07942	03/23/95	PCT				
MM	BW	WO 96/04319	02/15/96	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)



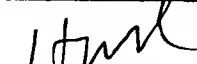

MM	BX	"(Aminotroponiminato)yttrium Amides as Catalyst in Alkyne Hydroamination", Burgstein et al., <i>Organometallics</i> , vol. 17, pp.1452-1454 (1998).
MM	BY	"Synthesis of Dialkylscandium Complexes Supported by B-Diketiminato Ligands and Activation with Tris(pentafluorophenyl)borane", Lee et al., <i>Organometallics</i> , Vol. 18, pp.2947-2949, (1999)

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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
MT	BZ	5,206,199	04/27/93	Kioka et al.	502	117		
	CA	5,227,440	07/13/93	Canich et al.	526	129		
	CB	5,229,478	07/20/93	Floyd et al.	526	160		
	CC	5,235,081	08/10/93	Sangokoya	556	179		
	CD	5,241,025	08/31/93	Hlatky, et al	526	129		
	CE	5,248,801	09/28/93	Sangokoya	556	179		
	CF	5,278,119	01/11/94	Turner, et al	502	155		
	CG	5,312,881	05/17/94	Marks, et al	526	126		
	CH	5,318,935	06/07/94	Canich, et al	502	117		
	CI	5,321,106	06/14/94	LaPointe	526	126		
	CJ	5,329,032	07/12/94	Tran et al.	556	179		
MT	CK	5,347,024	09/13/94	Nickias, et al	556	11		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBCIL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MT	CL	WO 96/13529	05/09/96	PCT				
	CM	WO 96/23010	08/01/96	PCT				
	CN	WO 97/23493	07/03/97	PCT				
MT	CO	WO 97/42228	11/13/97	PCT				
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)								
MT	CP	"Organometallic Compounds of the lanthanides. CXXI. Donor-substituted lanthanidocenes. Synthesis of mixed unbridged lanthanidocene chloride and alkyl derivatives" Schumann et al., <i>Journal of Organometallic Chemistry</i> . Vol. 562, pp. 255-262 (1998).						
MT	CQ	"Single site Polymerization of ethylene and 1-olefins initiated by rare earth metal complexes", Ihara et al., <i>Macromol. Chem. Phys.</i> , Vol/197, pp. 1909-1917 (1996).						
EXAMINER					DATE CONSIDERED			
 								
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FORM 1449

SHEET 5

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98B054/4	09/997,777
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November 29, 2001	1619

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MJ	CR	5,352,749	10/04/94	DeChellis et al.	526	68	
	CS	5,382,638	01/17/95	Bontemps et al.	526	67	
	CT	5,387,568	02/07/95	Ewen, et al	502	104	
	CU	5,405,922	04/11/95	DeChellis et al.	526	68	
	CV	5,408,017	04/18/95	Turner, et al	526	134	
	CW	5,422,325	06/06/95	Jejelowo et al.	502	104	
	CX	5,427,991	06/27/95	Turner	502	103	
	CY	5,436,304	07/25/95	Griffin et al.	526	68	
	CZ	5,453,471	09/26/95	Bernier et al.	526	68	
	DA	5,455,317	10/03/95	Marks, et al	526	126	
	DB	5,462,999	10/31/95	Griffin et al.	526	68	
	DC	5,463,999	11/07/95	Taruya et al.	123	647	
	DD	5,464,906	11/07/95	Patton, et al	525	240	
	DE	5,466,649	11/14/95	Jejelowo	502	120	
	DF	5,486,632	01/23/96	Devore, et al	556	11	
	DG	5,498,582	03/12/96	Krause et al.	502	103	
MJ	DH	5,527,929	06/18/96	Timmers, et al	556	7	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBCIL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MJ	DI	WO 97/42241	11/13/97	PCT				

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DJ	
EXAMINER <i>ndrew Hjul</i>	DATE CONSIDERED 8.17.04
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mt	DK	5,563,219	10/08/96	Yasuda, et al	525	269	
	DL	5,599,671	02/04/97	Jacobson, et al	435	6	
	DM	5,624,878	04/29/97	Devore, et al	502	152	
	DN	5,643,847	07/01/97	Walzer, Jr.	502	117	
mt	DO	5,707,913	01/13/98	Schlund, et al	502	102	
	DP						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mt	DQ	WO 98/22486	05/28/98	PCT				
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	DS							
	DT							
	DU							
	DV							

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